FIG. 1
(PRIOR ART)

FIG. 2

OUT (TO 102 FIG. 4)

QUOTIENT

CLK

30

40

18

18

44

18

18

42

46

50

(REM OUT)

REMAINDER

DIVISOR

30

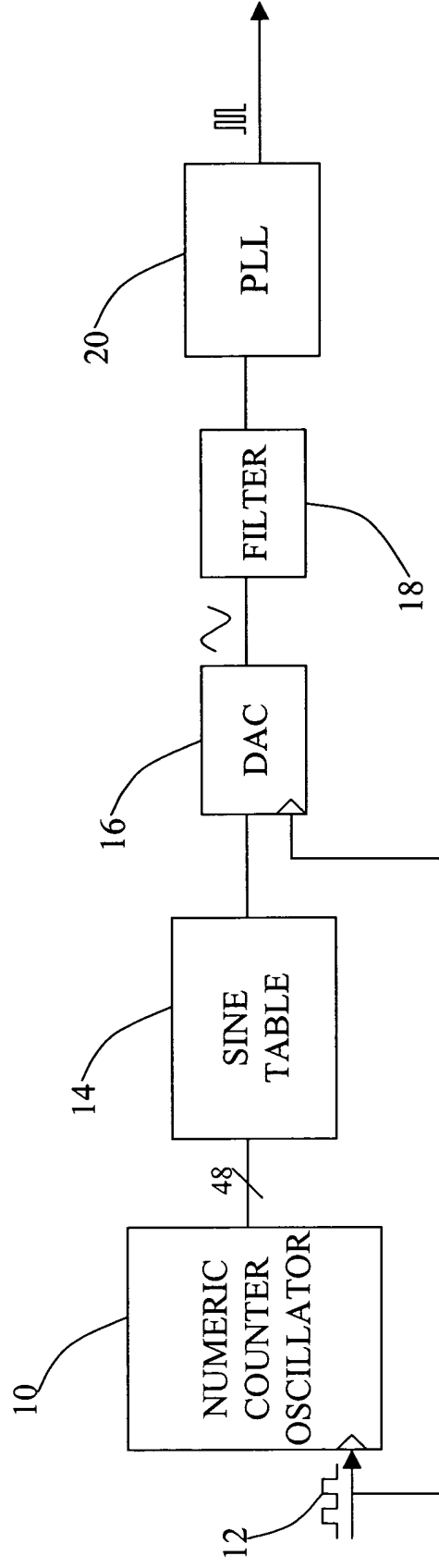30

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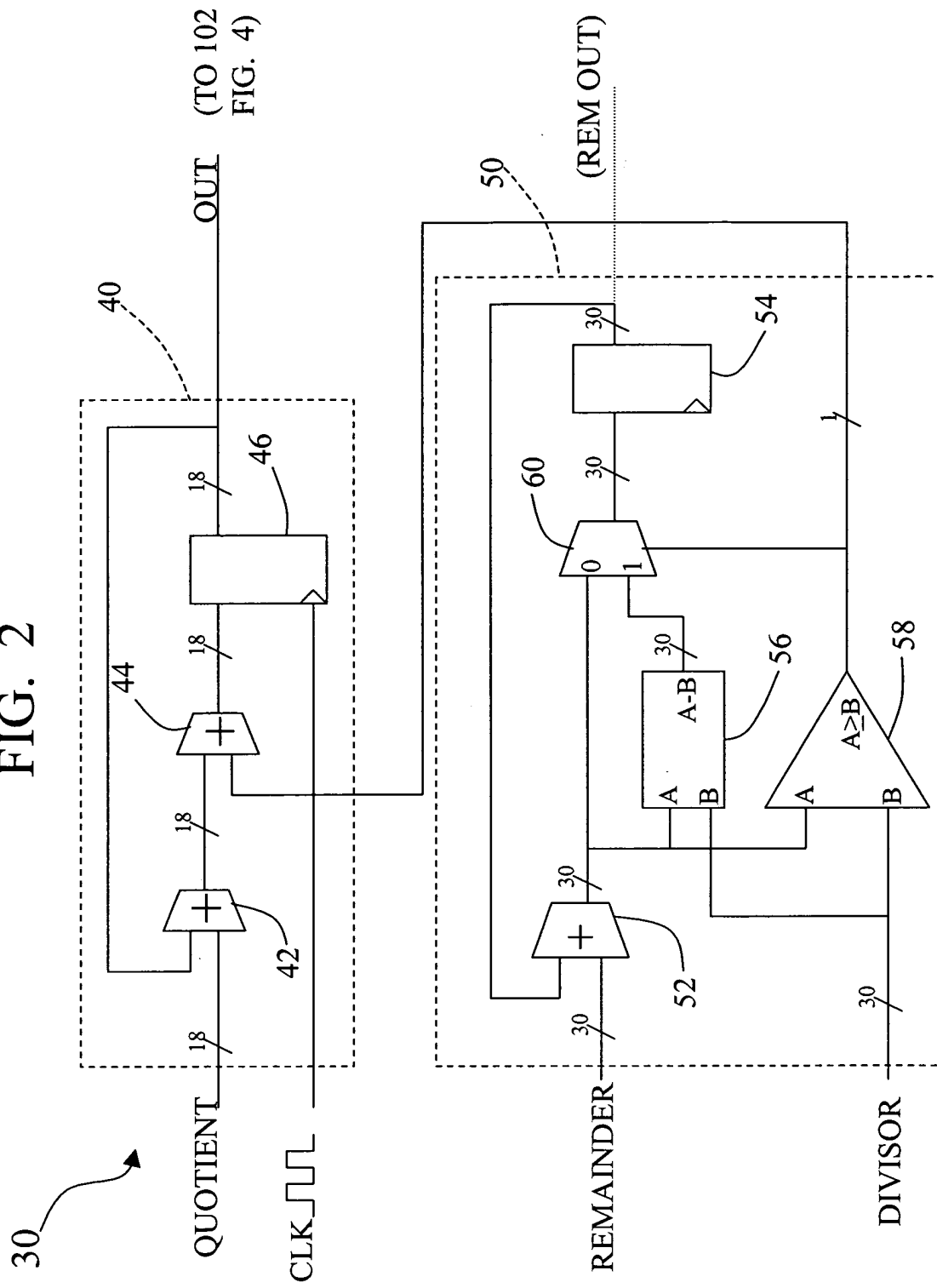30

30

7

60

0   1

54

56   A-B

A   B

58   A≥B

A   B

52

30

1

FIG. 3

REMAINDER ACCUMULATOR

CYCLE	ACCUM	ADD	SUB	CARRY
0	0	1	X	0
1	1	2	X	0
2	2	3	0	1
3	0	1	X	0
4	1	2	X	0
5	2	3	0	1
6	0	1	X	0
7	1	2	X	0
8	2	3	0	1

QUOTIENT ACCUMULATOR

ACCUM	ADD	ADD CARRY
0	3	0
3	6	0
6	9	1
10	13	0
13	16	0
16	19	1
20	23	0
23	26	0
26	29	1

FIG. 4